

Union Carbide Development Company Planning For Future Business Opportunities

**Formation Of New Division Is Expected
To Add Number And Variety Of New Projects**

"Where will I be ten years from now? When can I buy that house we like? Can I afford to send my children to college? Will they be able to find good jobs?"

Questions like these pop into our minds during those quiet moments when we think of the future. We plan ahead and set up goals for ourselves.

Corporations — like the people who work for them, own them, buy from them, sell to them — plan for the future too. Union Carbide's executives are constantly asking themselves questions about the future, questions such as:

"Where will the Corporation be ten years from now? How can we best continue to serve our present customers and find new ones? How can we improve our methods of developing new products to meet future needs? Should we expand our facilities, and if so, which ones?"

To aid in finding the answers, and to help act on them, a new Division was set up recently — Union Carbide Development Company. Long-term planning and evaluation of new business opportunities are two important functions of the new Division.

Imaginary Situation Explained

Let's see how the Development Company might operate in an imaginary situation. A recently developed rocket requires a special fuel that may have a growing potential market in the defense and transportation fields.

Since the fuel which contains a metal can be produced mainly either in an electric furnace or in chemical distillation equipment, and since it is derived from the same ores which Union Carbide is already converting to the pure metal, it seems to tie in well with present UCC know-how.

The Development Company might be called upon to make recommendations on questions such as these: Should the Corporation produce this fuel? What is the future of the rocket industry? Of other industries that might use this fuel? Does the potential justify the required investment in people, facilities, time and money? If so, which method should be used? How would our present commitments be affected? Which Division might produce the compound if the electric furnace process is used — if the distillation process is used? Which industries would be our customers and which Division might therefore be in the best position to market the product? Should a new Division be considered to produce and/or market the compound and related products?

The Development Company would first consult with all interested Divisions of the Corporation and with outside sources to build up data and informed opinion on the subject. In consultation with the Corporation's economists, planners, and market research groups, the Development Company may estimate the rate at which demand for the metal compound will be growing. Technical specialists would analyze the relevant information obtained both here and abroad and compare their findings with related developments made by the various Divisions. Making

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Air Force Secretary Cites Secret Keeping

**Quarles Warns Against
Giving Away Data**

"Secrets connected with our national defense are not to be given away on a silver platter," says Donald A. Quarles, Secretary of the Air Force, in a recent statement stressing the need of continued and firm security on all national defense matters. The statement not only is directed to all workers in defense plants but others who may have in some way or another obtained access to classified information.



Donald Quarles

"Failure to handle classified information properly," Secretary Quarles continued, "poor physical protection for classified material and indiscreet talk are the three major security violations. These failures, singly or in combination, are of utmost seriousness."

"The reasons for classifying military information are simple. They are to:

1. Preserve the advantages gained in the development of weapons and;
2. Protect the defense plans of the United States.

"These reasons are of such great importance that the government imposes heavy penalties on those who disregard them."

"The task of safeguarding classified information is the responsibility of all persons who have been entrusted with it. These are people who have been granted security clearances after painstaking investigation has established the fact that they are trustworthy and reliable."

Heavy Penalties For Violators

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Must Follow Procedures

"People entrusted with classified information must deny access to it to all unauthorized persons. They must restrict this access to only persons with the 'need to know,' and they must follow faithfully prescribed procedures for handling of classified information."

"If these rules are followed, our secrets will not be given away."



ANN HENSLEY, OF EMPLOYMENT, KATHY MOORE, OF SECURITY AND ATHALA MARKLAND, of the Cost and Budget Department, are shown above from left to right viewing some of the vacation folders which are available to Y-12ers at the Recreation Office in Bldg. 9704-2.

Vacation Folders Available To Y-12 Employees

**Recreation Department
Provides Literature**

The Y-12 Recreation Department can lend a helping hand to plant employees who are planning on taking a vacation trip this summer. The Recreation Department has expanded its vacation and tour guide service and can help in selecting a vacation spot or providing information on various vacation places throughout the United States.

The Recreation Department has several hundred vacation folders which list places to stay, eating facilities, scenic spots for picture making, recreational facilities such as golf courses or fishing spots and other valuable information. These folders can be used by anyone in Y-12 just for the asking.

Demand Heavy In Summer

The vacation information is available to Y-12ers all year long but the demand is especially heavy during the summer. The Recreation Department obtained the vacation details from different cities through the Chamber of Commerce.

Anyone in Y-12 who is planning on taking a vacation trip is invited to come by the Recreation Office, Room 223, Bldg. 9704-2, and select the folders needed. Extra copies of the folders may be taken from the office and used during the vacation trip.

Neighboring states such as Florida, Georgia, South Carolina, North Carolina and Virginia furnish much of the vacation information. Information on beaches, state parks, historical sights and street maps of many of the larger cities are available.

As an extra bit of information for vacationers, the Y-12 Security Department reminds anyone in the plant who is planning on going to a foreign country on vacation or otherwise to notify the Security Department at least two weeks prior to date of leaving. The Security Department also is to be notified upon return from a foreign country or if the trip is cancelled.

BONES HAVE SAFETY FACTOR

Human bones really have safety factors as high as 30 — meaning they can withstand pressures 30 times those caused by normal use. As an example, persons standing on one leg imposing a weight that is two and one-half times the body weight on the corresponding hip joint with no harmful effects.

DELICIOUS DISHES SET FOR CAFETERIA SPECIALS

Delicious dishes are to be offered on the Y-12 Cafeteria Special Lunches scheduled for tomorrow, Thursday, July 19; and next Tuesday, July 24. The 50-cent Special Lunch tomorrow will feature chopped beef steak while on next Tuesday ham puffs with pineapple sauce will be the main dish. Each lunch includes one vegetable, choice of salad or dessert and rolls and butter.

Y-12 To Take Active Part In CD Alert

Y-12 will be an active participant in the National Civil Defense Plan for "Operation Alert 1956."

The operation will begin this Friday, July 20 and will continue until 11 a.m. on Thursday, July 26.

The actual details of the alert will be handled in Y-12 by the Plant Shift Superintendent's Office through a message from the Atomic Energy Commission.

K-25 and the Oak Ridge National Laboratory will also take part in the alert.

Promotions Are Given Three Y-12ers July 1

**Brown, Mackey And
Ryan Are Advanced**

Three Y-12 organizational changes, effective July 1, were announced recently. All three promotions were in the Maintenance Division.



J. O. Brown, Jr.



R. A. Mackey

John O. Brown, Jr., of the Buildings and Grounds Department, was promoted from Mobile Crane Operator to Craft Foreman. He has been a Y-12 employee since August 10, 1955.



F. E. Ryan

Ray A. Mackey and Francis E. Ryan, both in the Mechanical Department, were promoted from pipefitter to Craft Foremen. Mackey has been a Y-12er since September 31, 1955 while Ryan has been a Y-12 employee since January 1, 1956.

Carbide Women's Club Postpones Meetings

The Executive Board of the Carbide Women's Card Club (formerly "Carbide Wives") announces that the regular monthly parties will be discontinued during July and August and that activities will be resumed on Wednesday, September 19, 1956. Mrs. R. A. Hamrick, Board Chairman, stated that the decision of the Board to postpone further parties until September was brought about by the recognition that vacations, hot weather, house guests, etc., were preventing many of the Club members from attending.

R. A. Charpie To Present A Series Of Lectures

Robert A. Charpie, of the Oak Ridge National Laboratory, will present a series of lectures for the summer symposium on "Simplified Nuclear Reactor Theory" to be sponsored by the Knoxville - Oak Ridge Chapter of the American Institute of Chemical Engineers this month.

Dr. Charpie, assistant director of the laboratory, was named one of ten "Outstanding Young Men of the Year" by the National Jaycees in 1955. He was cited for his work on the preliminary agenda of the Geneva, Switzerland, Atoms-for-Peace Conference last August.

The first lecture of the series was presented last Monday, July 16 at 8 p.m. in the Green Room of the Ridge Recreation Hall in Oak Ridge. Succeeding lectures will be at the same time and place on July 23 and 30. The symposium is slated for people with an average engineering background and is intended to provide a general knowledge of nuclear reactors.

Interested Y-12ers are invited to attend the lecture series. Refreshments will be served following each meeting.

LION ALL WET

According to a recent news story, a circus lion dashed to freedom in Memphis, Tenn., during a heavy rainstorm. After standing outside for 10 minutes the soaked feline broke a glass door to get inside again.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
18 Days Or
571,510 Man-Hours
(Unofficial Estimate)
Without A Lost Time
Injury
Through July 15

The Bulletin

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Y-12 Employees Of
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Telephone 7751

AEC Announces Information Meeting

The Atomic Energy Commission announced recently that a classified technical information meeting on the processing of unirradiated, enriched uranium will be held for access permit holders at Oak Ridge, Tennessee, September 13, 14, and 15.

Enriched uranium, as the compound uranium hexafluoride, is the product of gaseous diffusion plants which concentrate fissionable uranium-235 to a greater percent than found in natural uranium. Currently, enriched uranium hexafluoride is processed only in Commission facilities.

The purpose of the meeting is to provide industry with Commission-developed technology to encourage establishment of a privately owned industrial source for processing the enriched uranium to desired chemical forms required as fuel for the peaceful atom program or other uses.

The meeting will include information on processing enriched uranium hexafluoride to uranium metal, uranium dioxide, and uranyl sulfate, and recovery of uranium scrap.

Discussions on reduction of the compound to metal will emphasize experience with uranium slightly enriched in U-235. Other discussions on preparation of uranium dioxide and uranyl sulfate, scrap recovery, analytical measurements, general material control, health physics and criticality problems will cover uranium both slightly and highly enriched in U-235 content.

Speakers from Mallinckrodt Chemical Works, National Lead Company of Ohio, and Union Carbide Nuclear Company, all of which operate facilities for the AEC, will participate in the discussions.

Invitations were issued about July 16 to organizations or individuals having access permits issued by the Commission for Restricted Data classified as Confidential. The invitations will include abstract summaries of papers to be presented at the meeting.

A bibliography covering the scope of the meeting and a detailed technical report covering the papers to be presented are expected to be issued by the Commission shortly after September 15.

All inquiries related to the meeting should be directed to: Mr. S. R. Sapirie, Manager Oak Ridge Operations U.S. Atomic Energy Commission Post Office Box E Oak Ridge, Tennessee.

Florida Man To Speak At Physics Seminar Meet

Morton Gordon, a summer research participant at the Oak Ridge National Laboratory, is scheduled to speak at a meeting of the Oak Ridge Physics Seminar at 3:15 o'clock Friday afternoon of this week, July 20. The meeting will be in the auditorium of Bldg. 4500, ORNL, and the subject of discussion will be "Deuteron Stripping." Gordon is from the University of Florida.

UCC Announces Construction Plans

Union Carbide and Carbon Corporation's plans for building on its Westchester property near Tarrytown, New York, were announced recently by Morse G. Dial, President. The 280-acre site in the towns of Greenburgh and Mount Pleasant was purchased by the Corporation in 1952.

Present and future needs of the Corporation require the construction of certain buildings in addition to the home office building to be erected in New York City. These are: an office building to house those engaged in work for sales departments of several of the Corporation's Divisions; a basic research laboratory to conduct general research for the Corporation; and a service laboratory devoted to research work on customers' problems. It has been decided that the Corporation's property in the towns of Greenburgh and Mount Pleasant is well suited for the location of these additional buildings.

Construction Begins in 1957

It is planned to start construction of the new buildings early in 1957, and the schedule calls for their completion early in 1959. The buildings are to be two or three stories high, with exterior walls of brick, stainless steel and glass. A central utilities building and a cafeteria for employees also will be constructed.

These new facilities will eventually be staffed by approximately 1,000 people, some of whom are now in the employ of the Corporation in New York and elsewhere. As plans mature, any individuals affected by this program will be advised and in each individual case every consideration will be given to minimize any inconvenience resulting from relocation or reassignment.

This building program in Westchester in no way affects the Corporation's plans for its new home office building on Park Avenue between 47th and 48th Streets in New York City.



Get well wishes are sent the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

J. L. Billings, Robert Mason and R. D. Taylor, B Mechanical Operations; W. E. Fullam, Sr. and T. G. Tapp, Alloy Maintenance; R. W. Jenkins, Research Services; Walter Johnson, General Utilities; R. B. Patterson, Receiving; E. L. Armstrong, General Machine Shop; W. H. Asbury, A Mechanical Operations and C. J. Beckett, Process Maintenance.

Oak Ridge Women Voters Will Sponsor Large Rally

The Oak Ridge League of Women Voters will sponsor a "Candidates Rally" at 7:30 p.m. at the Oak Ridge High School Auditorium on Monday, July 30. Candidates for public office will be there to speak and time will be reserved for a question and answer period.

10 Years Service

Congratulations to the following Y-12 employee who will complete 10 years of Company Service today, Wednesday, July 18.

Eugene W. Woodward, Buildings and Grounds Department.



To get the colyum off on the right foot this week let's start off with a couple of Charlie Smith's pet sayings:

"Politeness is said to spring from a desire to make those around you happy."

"The test of good manners is being able to put up pleasantly with bad ones."

MANUFACTURING OFFICE

R. E. Hale spent his recent vacation at home in Knoxville.

Pat Hamrick, of Stores, is in Indian Rock, Florida, for three weeks . . . W. H. Martin left on vacation but didn't leave a forwarding address . . . M. E. Turner is on the sick list.

The welcome mat was rolled out for Phyllis Smith, a new employee, in the Materials Department.

Property Sales reports that many have been on vacation including R. V. Brackney, Gwenn Lindsey, Sarah Frye, L. A. Hammon, Glen Slack, W. W. Chase, George Sloan and J. L. Garner.

Sympathy is extended to Sarah Keith, of the Mail Room, whose father passed away on July 10.

Reproduction sends congratulations to a former employee, Irene Turner, who became the mother of a fine son, Richard Hugh, who was born on July 7 at St. Mary's Hospital in Knoxville and weighed seven and one-half pounds.

Frank Gagg, of Production Inspection, has returned after a two week tour of the Midwest . . . Others in the department who have returned from vacation include C. C. Ethridge, L. L. Matrics, R. J. Hardy, J. B. Newsome and W. J. Mackley.

MAINTENANCE

On vacation in the Electrical Department are C. E. Dalton in Campbellsburg, Ky., doing some "gentleman" farming . . . R. W. Coker launched his new boat at

Norris . . . B. G. Roe visited in Chicago, the "windy city" . . . V. W. Reece moved a house from his property . . . C. W. Mink is touring Florida . . . J. S. Orr, G. P. Schaefer and John Young are also vacationing with destinations unknown . . . The Department welcomes E. W. Tompkins, a new employee . . . Deepest sympathy is extended to W. K. Fulbright, whose cousin was killed in an accident recently . . . Sympathy also goes to T. J. Sanders, whose brother passed away in Cullman, Ala., recently . . . Get well wishes are sent to J. H. Whidden and S. H. Floyd . . . Returned from vacation are J. R. Baumgarner, H. E. Henderson, R. F. Hickman and W. N. Akers.

K. L. Duncan and K. E. McCulley, of Salvage, are on vacation just staying at home.

News from the garage is that Katherine Miller has been on vacation, no details.

Research Services sends get well wishes to I. V. Goins who is recuperating from surgery at St. Mary's Hospital, J. M. White who is in the Baptist Hospital and R. W. Jenkins in the Oak Ridge Hospital . . . W. L. Price is back at work after being ill . . . On vacation are A. W. McGinnis, N. R. Penland, J. J. Cavosie, W. L. Ellis, P. E. Clifton, J. D. Woods, T. A. Scarbrough, J. W. Howard and M. J. Dorschied.

Hubert Green, of the Laundry, is spending his three weeks of vacation at home in Jacksboro campaigning for constable . . . B. M. Martin is taking it easy at home in Knoxville while vacationing.

Returnees from vacation in Process Maintenance include W. E. Thomas, J. S. Kerns and E. E. Boyatt . . . Pete Schrader is taking it easy in Virginia . . . V. P. Porier is away for a few days and is being missed.

Congratulations to J. W. Fox, of



"HERE IS ONE WAY to beat the heat," says little Romona Lynn Kristich, daughter of R. M. Kristich, of the Y-12 A Mechanical Operations Department. Pictured behind Romona is Allen Robinson, whose father is an employee at the Oak Ridge National Laboratory.

Alloy Maintenance, who is the proud father of a new son, Timothy Allen, born on July 6; Timothy weighed in at eight and one-half pounds . . . O. L. Rhehardt, R. E. Wallace, J. B. Jackson and W. T. Chapman are all living the life of leisure for a spell while on vacation.

Gene Williams is welcomed back to Planning and Estimating after illness . . . Edna Tyler is on vacation but didn't divulge her plans . . . Gertrude Fox and her husband spent the week-end at Gatlinburg with Elmore and Mavis Koons.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

H. D. Duncan and family are spending three weeks at West Palm Beach, Fla., on vacation . . . Everyone sends get well wishes to Mrs. W. S. Porter who is ill in the Oak Ridge Hospital.

M. L. Lay, of Utilities, is on vacation in Cincinnati and then to Florida . . . C. A. Cox has recently moved into his new house on Emory Road . . . Get well wishes to Walter Johnson who is on the sick list . . . All reports state that lots of fun was had by all at the "D" Shift wiener roast held at Concord Park on July 11.

ALLOY

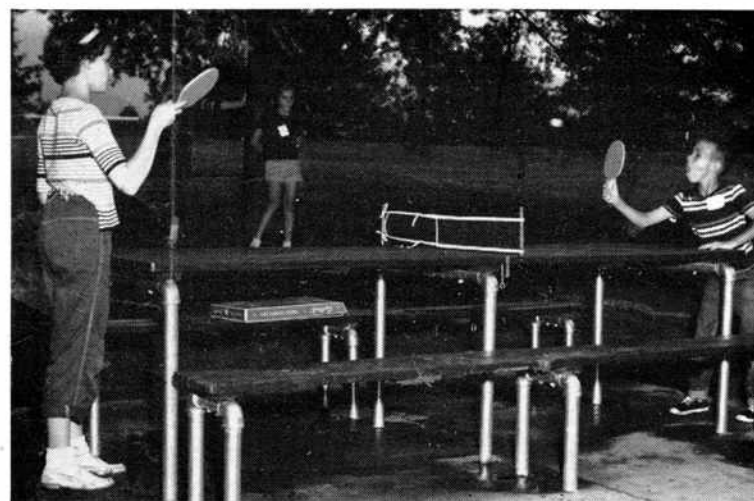
Alpha Four reports that W. D. Smith is spending a week with his little Constance Tina, who was born July 11 and weighed six and one-half pounds . . . Red McNabb is sporting around the lakes in a new pink and white fiberglass boat—some glamour . . . John R. (Stretch) Baker is heading toward Florida with family and golf clubs . . . J. R. Phillips is visiting friends in Kentucky . . . J. W. Graves is vacationing for a week in Maryville and then heading for two weeks military duty at Fort Jackson, South Carolina . . . Don Bougrand is winding up two weeks of recreating on the lakes of Tennessee and Michigan . . . Marshall Rickard has just acquired two new beagle dogs and the three of them are waiting for the bunny season to open . . . Max Wallace is spending his week at home and so is O. N. Copenhaver . . . Ernie Foster is enjoying the seafood and ocean breezes of that great state of Maine . . . J. Dick is moving into his new home in Knoxville . . . Elmo Johnson has settled down to work after his restful visit to Daytona Beach . . . Joyce Myers and Nell McGinnis are touring Florida this week . . . Jean Vaughan and family are visiting home folks in West Virginia . . . W. A. McLoud is spending a week in Monterey, Tenn. . . . Doyle Conatser is off for two weeks on military duty.

Vacations take the headlines in the Colex Department, Guy Smith is taking it easy in the Smokies . . . Harry Grubb is at home . . . H. Dyer and W. J. Whitaker took off for unknown sections . . . H. F. Seiber is in Daytona . . . R. G. Dunn is in Washington, D.C., and Pennsylvania . . . D. L. Laughlin is playing golf . . . J. P. Ayers is working on his new house and doing some fishing at Norris . . .

Continued on Page 4



HORSESHOE PITCHING ALWAYS IS POPULAR at Y-12 shift picnics, as is shown in this picture of a contest at the A Shift outing at Concord recently. In the right foreground and just turning a shoe loose is Tom Hamrick, Production Analysis and chairman of the A Shift Recreation, and Hal Tunnell, Colex Operations. In the background are J. W. Steele, Colex Operations; and J. W. Rankin, General Utilities.



A SIZZLING GAME OF TABLE TENNIS is shown being enjoyed by Marjorie Bartless, daughter of H. A. Bartless, Alloy Maintenance; and John G. Byrd, Jr., whose dad is in Colex Operations, at the C Shift picnic at Cove Lake State Park.

Fishing Contest Open To All Y-12ers

All Y-12 fishermen are reminded of the Y-12 Annual Fishing Contest which is open to everyone in the plant throughout the entire year. Fish which are caught in the periodic rodeos sponsored by the Y-12 Recreation Department are eligible to enter in the annual contest. The Recreation Department, Room 223, Bldg. 9704-2, has entry blanks for the contest.

Rules for the contest follow:

1. Fish must be caught on rod and line and may be played only by one person.
2. Fish must be caught in legal open season only.
3. No fish is eligible for entry if caught from any hatchery or privately owned waters not open to the public.
4. An entry blank must be used for each entry and must be in the Y-12 Recreation Office within fifteen days after the catch but not later than January 15, 1957.
5. A photograph of the fisherman with his catch must accompany each entry.
6. In the event of two or more winning entries identical in weight and measurement, identical prizes will be awarded to each.
7. Each fish entered must be caught by a Y-12 employee.
8. Largemouth caught in Florida are not eligible for the contest.
9. Only trout caught in Tennessee or the Great Smoky Mountains are eligible in that division.
10. Fish must be caught within the Continental United States and fish caught in salt water will not be accepted.

Horseshoe Ladder Gets Underway

The Y-12 Horseshoe Ladder got off to a flying start last week as three top notch matches were reported by Charley Beckett, secretary of the ladder. The team of Moses-Vermillion trimmed Horton and Hackett, Beckett and Smith took McGinnis and McCoige into camp while Kendig and Coley nipped Rapier and Toney.

Ladder standings follow:

Moses-Vermillion
Horton-Hackett
Beckett-Smith
McGinnis-McCoige
Hawk-Lewis
Ragsdale-Keep
Gillman-Whitaker
Kendig-Coley
Haggard-Smith
Rapier-Toney
Simmons-Davis

A Shift Schedules Picnic At Big Ridge

The A Shift has scheduled another big picnic for all employees and members of their families for Thursday, August 16, at Big Ridge Park. Everyone is to bring their own food. There will be plenty of recreation for everybody attending. Starting time for the shindig will be at 10 a.m. sharp. Tom Hamrick is the recreation committee chairman for A Shift.

B Shift Schedules All Day Picnic

The B Shift has slated an all-day picnic for Wednesday, July 25 starting at 10 o'clock. The event will take place at Big Ridge Park. Everyone is to bring their own eats and spread lunch together at 1:30 p.m.

A robust woman lost her thumb in a traffic accident.

"Why," asked the defense attorney, "do you think that your thumb was worth \$20,000?"

"Because," she replied, "it was the thumb I kept my husband under."



THESE LIONS ARE DOING THEIR ROARING in the American League of Y-12 Plant softballers where they have proved tough for most opposition all season. In the front row, from left, are J. H. Jones, F. W. Kite, E. C. Ferris, T. R. Livingston and J. H. Foresman. In the rear are Bill Dyer, E. L. Killion, Carl Frazier, Jr., Bill Helton, W. S. Helms and Manager J. L. Johnson. Absent when picture was made were Dick Garland, R. K. Goosie and Charley Peterson.

Rebels Win Two Tussles In Y-12 Softball League

The softball tempo was stepped up a bit last week in the Y-12 Plant Softball League as four games were played at Pinewood Park through Thursday, July 12.

The Rebels hogged the headlines last week by winning a pair of contests, the first from the Alloys by 6 to 4 and the second from the Wildcats by 13 to 2. Harley Law, of the Rebels and Jack Owens, of the Alloys, hooked up in a fine pitching duel with Law allowing six hits and Owens allowing seven safeties. Norman led the hitting for the Rebels with a home run. Miller chunked the Rebels to the one-sided victory over the Wildcats by allowing only five hits while Ernie Collins spanked out two hits for the winners, a single and a home run.

49ers Spank Lions

Other league action last week saw the 49ers spank the Lions by 13 to 4. The league leaders tallied eight runs in the first two innings and coasted to victory. Ed Sise was the winning hurler with Gar-

land being the loser. Justice led the winners by blasting out a four-baser.

The B Bombers took a 14 to 10 win from the Bums in the last game of the week. Hits were plentiful in this game as the Bombers collected 14 and the Bums 12. Smith led the hitting for the Bombers by cracking a home run in the fifth inning as the winners tallied four times. Zupan led the Bums with a home run in the second frame with no one on base.

The Early Birds, league leaders in the National Circuit, got two forfeit wins, one from the Day Liters and the other from the Slow Pokes.

STANDINGS ON JULY 13

American League			
Team	W	L	
49ers	7	1	
Wildcats	5	2	
B Bombers	4	2	
Rebels	4	2	
Bums	4	4	
Lions	3	5	
Cubs	2	3	
Alloy	0	10	

National League			
Team	W	L	
Early Birds	10	1	
Slow Pokes	6	3	
Day Liters	3	4	
Daffy Dills	3	6	

SCORES THROUGH JULY 12

Team	R	H
49ers	171	400
Lions	003	000
Batteries: 49ers, Sise and Dodson; Lions, Garland and Frazier.		
Bums	013	023
Bombers	233	240
Batteries: Bums, Turner and Roe; Bombers, Hatmaker and Castleberry.		
Wildcats	020	000
Rebels	440	302
Batteries: Wildcats, Bailey and Smith; Rebels, Miller and Halsey.		
Alloy	202	000
Rebels	000	500
Batteries: Alloy, Owens and Beeler; Rebels, Law and Halsey.		

Ray-Hightower Lead Ladder Group

First results from the Y-12 Evening Shift Horseshoe League found Cagley and Bowman winning from Johnson and Gallman by 2 to 1. Williams and Massengill also won from Johnson and Gallman by 2 to 0. Hightower and Ray won two matches, both by the score of 2 to 1, the first from the team of LaRue-Roberts and the second from the combination of Houston-Turpin. Johnson and Gallman ended the activities by winning from Spradlin-Murphy by 2 to 1.

Ladder standings follow:

Ray-Hightower
Houston-Turpin
Murph-Holt
LaRue-Roberts
Cagley-Bowman
Albright-Smith
Massengill-Williams
Gallman-Johnson
Spradlin-Murphy
Peters-Gilmore

Mee-Owings Second In Rockwood League

Bill Mee and Ed Owings moved up to the second slot in Y-12 Golf League at Rockwood last week as the combination of Rudy Pletz and Roy Roberts slid to number three. Still leading the circuit is Arnold Tiller and Eddie Roberts, Jr.

League standings follow:

Team	W	L
Tiller-E. Roberts Jr.	14	1
Mee-Owings	10 1/2	4 1/2
Pletz-R. Roberts	8 1/2	6 1/2
S. Brown-Plemons	8 1/2	6 1/2
C. Brown-True	6	9
Hall-Whitehorn	5 1/2	9 1/2
Mays-E. Roberts Sr.	5	10
Anderson-McMillin	2	13

Keen Competition Features Knox Loop

Competition in the Y-12 Plant Golf League at Whittle Springs in Knoxville is really getting keen as the combination of Brice Burrus and Al Sawyer are trailing the loop leaders, Floyd Ludwig and George Wylie, by only one-half point. Gene Huskisson and Bill Wilburn occupy the third spot being one point out of first place.

Low scratch honors for the week of June 30 were shared by Wylie and Sawyer, each with a 37. Low handicap honors were divided among Huskisson, I. G. Speas and Walter Lovell, each with a 32. Ludwig and Wylie had the best team scratch score, a 75, while Huskisson and Wilburn copped handicap honors with a 66.

League standing follows:

Team	W	L
Ludwig-Wylie	18	3
Burrus-Sawyer	17 1/2	3 1/2
Huskisson-Wilburn	17	4
Morgan-Miller	16	5
Speas-Heins	14	7
Countiss-Bowles	16 1/2	10 1/2
Barrasso-Cook	12	9
Hill-Hilton	12	9
Cabe-Lovell	11 1/2	9 1/2
Kovach-Breman	8	16
Simmons-Stroud	7	17
Wakefield-Schappel	7	20
Peterson-Lockhart	5 1/2	21 1/2

Boyd-Oliphant Top Ridge League

George Oliphant and John Boyd moved to first place in the Y-12 Plant Golf League at Oak Ridge last week by winning six tallies from J. P. Smith and Jim Bartholomew. Charley Peterson and Jim Patterson turned in a shutout win over John Snyder and Harold Ratjen by 6 to 0.

Other action in the league found Bob Orrison and Harvey Saylor winning three and one-half points from Logan Emlet and Art Hines, the duo of Gentry Underwood and Jack McLendon took three and one-half points from C. E. Harris and Al Gillen while George Mitchel and Nelson Tibbatts halved six points with Jay Holzknecht and Paddy Peckman.

League standing follows:

Team	W	L
Boyd-Oliphant	10	2
Mitchel-Tibbatts	9	3
Peterson-Patterson	9	3
Hines-Emlet	7 1/2	4 1/2
Underwood-McLendon	6 1/2	5 1/2
Holzknecht-Peckman	6	6
Orrison-Saylor	5 1/2	6 1/2
Harris-Gillen	5 1/2	6 1/2
Smith-Bartholomew	1	11
Ratjen-Snyder	0	12

Evening Shifters Arrange Outing

The straight evening shifters in Bldg. 9201-1 has scheduled an all-day picnic for this Saturday, July 21 at Big Ridge Park. Everyone is to bring their own food. E. B. Lockhart will be there to perform his magician tricks and ventriloquist act.

Y-12er To Compete Against OR Golfers

"Beat The Champ Day" has been set for this Saturday, July 21, at the Oak Ridge Golf and Country Club. The champion of the club, Carl Dorr, of the Y-12 A Mechanical Operations Department, will be up against all golfers in Oak Ridge in an 18-hole match.

The one-day event will be open to all Oak Ridge residents and also to all people who are employed in Oak Ridge. Participants in the affair do not have to be members of the Oak Ridge Golf and Country Club. There will be an entry fee of one dollar but there will be no payment of greens fee. The entry fee will be a donation to the United States Olympic Team Fund.

Dorr will post his medal score at the end of 18 holes and the rest of the participants in the tourney will try to beat him with their scores less handicap. The Callaway system of handicapping will be used.

R. H. Vaughan, games committee chairman for the Oak Ridge club, will arrange for Dorr to play in a foursome with other top-notch golfers in order for him to play his best in the event. The "Beat The Champ Day" should be very interesting for all Y-12 golfing enthusiasts.

First Half Ends In Harriman Loop

The first half of the Harriman Golf League wound up recently with H. Tuck and Samples annexing the championship with 16 wins and five losses. Karl Kahley and Harvey Saylor, of Y-12, finished fourth during the first half.

League standing follows:

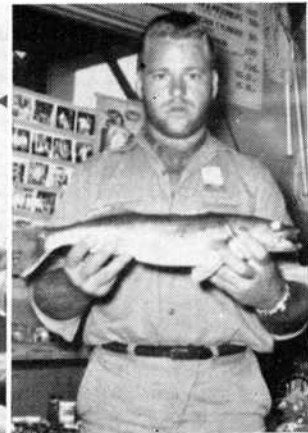
Team	W	L
H. Tuck-Samples	16	5
Dagget-Clark	16	5
T. Tuck-Duff	15 1/2	5 1/2
Saylor-Kahley	11 1/2	9 1/2
Hamill-Mackey	8	13
Ellis-Anglin	8	13
Guinn-Martin	5	16
McConkey-Raper	4	17

Salaried Group Plans Picnic July 22

The weekly and monthly salaried people in the Alloy Division have scheduled a picnic for Sunday, July 22, at Cove Lake State Park. The event will begin at 2 p.m. and will last until 7. There will be all kinds of games and recreation for those attending.



JIM O'BANNON, COLEX OPERATIONS, and fishing pals Jack Hale, Product Processing; and Fred Leon, Mechanical, apparently have been doing quite a bit of successful angling over around Ft. Loudoun Lake recently. At left O'Bannon, shown at left, and Hale show a nice string caught by them. In center O'Bannon proudly displays the saucy sauger pike he netted by



himself below Loudoun Dam at Lenoir City. The picture at right shows Leon, at left in the snapshot, with O'Bannon after they had landed a string of 21 striped bass. Any other Y-12 anglers with interesting pictorial evidence of their prowess are invited to submit them to The Bulletin for publication.



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Used Anti-Freeze Should Be Drained From Automobiles After One Winter

It's not too late to drain your anti-freeze and get a fresh start toward trouble-free summer driving.

Your car's cooling system needed protection all winter long, and anti-freeze gave it that protection. But now that summer's here, you need warm weather protection. After a winter's use, the inhibitors in anti-freeze are worn out. That means you should drain out the old anti-freeze, flush the cooling system, and fill up with fresh water and a rust inhibitor.

Inhibitor Wears Out

Because the inhibitor becomes worn out, you shouldn't try to save the spent anti-freeze for re-use. And in case you're wondering: "If it's the inhibitor that wears out, then why not add new rust inhibitor to the old anti-freeze?" The answer comes from such automotive experts as the Society of Automotive Engineers, the National Bureau of Standards, and the American Society for Testing Materials. They say it's impractical to strengthen depleted inhibitors, because of chemical incompatibility. In other words, when the new and the old inhibitors won't mix, neither one will do a good job in your car.

So, to prevent trouble with your cooling system, follow these rules: Drain your cooling system in the spring and put in fresh water and a rust inhibitor for summer operation. It's not too late to do this now.

CHURCH ATTENDANCE UP

In 1955 the church attendance of adults in the country was estimated at 49,600,000, an all-time record. That was about 49 per cent of the entire population of the country attending services in the average week. It was an increase of 12,200,000 over 1950.

When all is said and done—too many persons keep on saying and not doing.



AVID ANGLER J. L. SMITH, Electrical Engineering, is shown with a fine sauger that is sure to be a contender for top honors in its class in the Y-12 Annual Fishing Contest. He netted it over at Norris a short time back. Some nice crappie — probably to serve as garnishing for the bigger fish—are on the chain dangling from Smith's left hand.

Rides Wanted, Offered

Ride wanted or will join car pool from vicinity of Sears, Lonsdale or Oakwood in Knoxville to Bear Creek Portal, D Shift. J. W. McNeal, plant phone 7-8402, home phone 4-0651, Knoxville.

Car pool participant wanted from West Hills area in Knoxville to any portal, straight day. P. H. Asplund, plant phone 7-8347, home phone 8-0791, Knoxville.

Ride wanted from Karns to Central Portal, A group. E. H. Barger, plant phone 7248, home phone 8-0206.

Want to join car pool from Sheridan Circle, West Village in Oak Ridge to Central Portal, straight day. Carolyn Seaborn, plant phone 7540, home phone 5-0508.

Development Company Planning For Future

Continued from Page 1

full use of the corporation's diverse know-how, they would balance the costs and benefits of the electric furnace against those of the chemical process. Out of all this research and analysis would come the Development Company's recommendations.

Although the Development Company will be concerned with research and developments along new lines of endeavor and new technology, the operating Divisions will continue the planning, research, and development on products and processes along their lines of activities as in the past. Union Carbide's growth and prosperity have been due in large part to this diversified and independent management and operation of each Division in its fields of specialization. One-third of our total sales and almost one-half of our net income have come from products which Union Carbide's various Divisions have put on the market within the last 15 years. Obviously, divisional planning and management have been successful, and the formation of Union Carbide Development Company is expected to add to the number and variety of new and profitable projects which will be adopted by Union Carbide's operating Divisions.

The Development Company will plan ahead so that Union Carbide may make fuller use of tomorrow's growth opportunities and today's research. And such long-range planning will play an important part in the futures of Union Carbide people too. The work done by Union Carbide Development Company will mean increased job security for the UCC employee of today and more jobs for UCC employees of the future.

The outcome of a marriage depends considerably on the income.



Continued from Page 2

E. G. Blanton is in Daytona . . . **Brad Napier** is visiting in Kentucky and plans to do some camping in the Smokies . . . **E. M. Elliott** will spend his spare time in Kingston and the Smokies . . . **H. R. Floyd** is working on his house and will spend some time in Tallahassee, Fla. . . The Department is glad to see **B. H. Davis** and **A. R. Rutherford** back to work after extended illnesses.

W. J. Hobson, Beta Two, is vacationing at home in Norris enjoying his new daughter, Karen Jones, who was born on June 29 at St. Mary's Hospital, weighed eight pounds and eight ounces.

CHEMICAL

Back from vacation in Product Processing are **Mona Myers**, **Samie West**, **L. E. Baker** and **Thelma Bradshaw** . . . Other news is that **E. K. Yates** is doing his reserve duty with the Air Force in Dayton, Ohio . . . Best of luck to **Dave McWhirter** on his new job at the Oak Ridge National Laboratory . . . **Frank Thurman** is on vacation taking care of his wife who is in St. Mary's Hospital, a speedy recovery is wished for her . . . **Dottie Brasher** visited her parents in Virginia recently . . . **Connie O'Neal** and **Jane McGlothlan** spent their leisure time around Knoxville . . . **Margaret Hickey**, an amateur geologist, is collecting stones in Ohio and Florida while on vacation.

There are plenty of people resting up in the Chemical Department, **Paul Braden** is in Florida, **A. C. Lee** is at Lookout Mountain in Chattanooga, **J. A. Lowry** is in the Carolinas, **J. A. Weldon** is visiting relatives in Cincinnati, **W. C. Seymour** is spending a few days in Atlanta and then visit his brother in Tapoca, North Carolina . . . **J. E. Richardson** has taken off for somewhere . . . **Briggs Richardson** is getting acquainted with his new baby girl, Catherine Marie, who was born on July 11 and weighed in at eight pounds and one ounce.

INDUSTRIAL RELATIONS

Mary Napier, Medical, has headed to Carolina Beach with her son Sandy for a two weeks vacation.

S. H. Kesterson, of the Guard Department, is back at work after a recent operation . . . **Lt. Waldroop** has returned from his vacation spent at Myrtle Beach and **Captain J. H. Shoemaker** and family took off for the same spot.

Audrey Jones, of Personnel Services, stayed at home on her recent vacation.

Best wishes go to **Phil Graham**, of Insurance, who is terminating on July 20 to assume "motherhood" duties . . . **Jean Lowe** is on vacation "touring" Knoxville.

George McNamee, Cafeteria, is visiting his mother in Bartow, Fla., also some time will be spent in St. Pete while on vacation . . . **Willie Braden** is vacationing in Oliver Springs.

MECHANICAL OPERATIONS

Vacationers come first in D Mechanical Operations, **J. K. Raper** has been to Virginia . . . **C. J. DeHart** traveled to Indiana . . . **D. E. Plemens** had relatives visiting him recently . . . **J. L. Helms** is doing some fishing around home . . . **C. E. Tilley** is in Florida likewise is **H. Ramsey** . . . **K. J. Scholz** gave no forwarding address . . . **J. F. Trent** is in the Smokies, he returned to work recently after an extended illness. . . Get well wishes are sent to **J. H. Douglas**.

Latest gossip around B Mechanical Operations is that **P. H. Stewart** spent his recent vacation in Birmingham with relatives and friends . . . **D. T. Cook** spent his vacation in Kentucky with his sister . . . **T. A. Seddon** moved into his new home recently . . . **D. W. Hester** is going after the big

fish in Emory River . . . **H. R. Mullins** is building a new sidewalk while taking it easy . . . **P. G. Fleeman** is in Washington, D.C. . . **W. A. Coker** is taking his mother and family to Oklahoma for a vacation . . . **R. S. Phillips** is at Mountain City, Tenn., doing a little work on his home . . . **J. Lewis, Jr.**, is taking a week off trying to get caught up on his fishing . . . **H. H. Reno** is doing some painting while on vacation . . . **E. A. Burcham** and wife have a new son, Michael Eugene, born at the Oak Ridge Hospital, weighed seven pounds and eight ounces, he was born July 9.

Kirby Duke, C Mechanical Operations, had guests from Kenora, W. Va., over the week-end . . . **D. D. Keith** spent some time recently fishing for catfish over near Nashville.

E. L. Armstrong, of the General Machine Shop, is recovering from a recent operation at the Oak Ridge Hospital . . . Here comes vacationers again . . . **Russell Hopper** in Michigan . . . **Charlie Spradlin** and **A. R. Brown** and their families are fishing in Panama City, Florida . . . **J. C. Chamblee** is in Albertsville, Ala. . . **D. D. Woods** and family is visiting in the Smokies and then trot to Daytona Beach for a while . . . **William Sahr** is visiting his brother in Freeport, Texas . . . **Clyde Hill** and his family, plus two cats, two dogs and one monkey are camping out on an island on Watts Bar Lake . . . **R. A. Allstun** took off for somewhere . . . **J. E. Barton** is on a busy vacation playing in a bridge tournament in Knoxville then to Louisville, Ky., and then some wandering in the state of Georgia . . . **L. B. Gillis** has adopted a little girl, Patsy Ann, who is three years old . . . Welcome back to **C. P. McMore** who has been ill . . . **W. F. Cartwright** has been on vacation in Maryville . . . **J. W. Young** is vacationing in Oliver Springs . . . **Fred Vaughan** is taking things easy over at Powell for a couple of weeks . . . **Carl Holt** is in Morristown resting up for two weeks.

Mechanical Operations states that **R. B. Strickland** is touring the West for two weeks . . . **R. E. Newcomb** is at home in Concord . . . Also at home in Englewood is **W. W. Raper** . . . **M. Patterson** is sight-seeing in West Virginia.

TECHNICAL

J. A. McKensie, of Chemical and Industrial Engineering, has been on vacation . . . The welcome mat is out for **W. L. Breazeale** . . . The department is wondering if **Floyd Downs** will live through the shots he is taking in order to go to camp this summer . . . **Marie Hensley** and **Russ**, of Mechanical Engineering, had a son who entered the soap box derby in Knoxville recently; he came through with honors in the first heat races.

Instrument Engineering says that **E. E. Dunn** is vacationing in Daytona and that **S. A. Hodnett** left no details on his vacation.

Lon McNeil, of Mechanical Engineering, and his family are vacationing in Crescent, North Carolina.

The Health Physics Department welcomes **G. R. Myers** . . . **Doc Emerson** is enjoying himself at Pawley Beach, N.C., while **B. F. Rutherford** is doing the same thing at Gatlinburg.

Cecil Hurtt, Production Assay, didn't say where she was going on vacation.

News from Production Analysis is that **Dick Dean** is in northern Michigan taking it easy . . . **Carl Neff** is in Daytona . . . **Deborah Hubbs** is in Norfolk but is having a little bad luck as a case of buritis has hit her . . . **Harry King's** wife and four children are in Minnesota vacationing with her parents . . . **Lucian Peters** has returned to work after an illness . . . **Joe Hamilton** has been on vacation.

John Perry, of Development, is spending his vacation touring North Carolina.

Be alert—be alive to drive.

Summer Heat May Be Costly



Summer Sense is the subject of an interesting brochure on how to live with the heat of the torrid days and how to beat the efforts of Old Sol to use his lethal rays on a suffering humanity.

Sunburn, Sunstroke Dangerous

Naturally—one of the first precautions to be taken, particularly by beach vacationers or just plain back yard sun bathers—is to avoid sunburn and sunstroke. Both can be extremely uncomfortable—or even produce death. For those who deliberately want a deep sun tan—it can be done safely with proper and plentiful use of lotions. However, such folks are urged to take it easy at first and expose themselves gradually. It also is pointed out that even partly cloudy weather can produce a sunburn on the skin if the temperature is high enough. This is particularly true on ocean and lake beaches where water reflection and glare can cause serious burns.

Loose-fitting clothes make sense in summer, and light colors reflect the sun and help ward off the heat. Men who do heavy work know that an absorbent undershirt is cooler than none at all—and that's a good tip for all men during summer.

Keep Diet Balanced

Appetites tend to lag in summer and cold foods often are more appealing to many. Whether meals are hot or cold, be sure they include enough fish, meat, cheese, eggs and milk. Eating enough of everything to make up a balanced diet will help maintain fitness—and freshness.

Summer or winter—sleep helps keep everyone refreshed and comfortable. Cooling the bedroom may make it easier to drop off to sleep quickly. Keeping shades or storm windows down during the heat of the day also will help cool a room. At night, open the windows both at the top and bottom. A fan pointed toward a window will blow the hot air out and let the cool air come in. If the room has windows on two sides, keep one open on the bottom and the other at the top to catch any breeze that might be wafting in those directions.

Lukewarm Baths Better

Lukewarm baths or showers make most persons feel cooler than cold tubs or showers. For in between comfort run cool water over the wrists and forearms for a refreshing lift.

Just be sensible—watch out for the amount of exercise or work done in the heat of the day—and summer won't be so bothersome after all.

"Bob, if we're going to see a ball game tomorrow, I want to know a lot more about the game than I do. Tell me some of the finer points."

"All right, Myrtle, I'll begin with the squeeze play, and—"

"No you won't! I'm talking about baseball."